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The Rose Tech Explorer - November 6, 1959

The Rose Tech Explorer Staff
Rose-Hulman Institute of Technology

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The Rose Tech EXPLORER

"To new horizons for information"

VOL. 1

ROSE POLYTECHNIC INSTITUTE, TERRE HAUTE, INDIANA, NOVEMBER 6, 1959

Number 3

Editor's Corner

Perhaps it's a little early in my association with engineering to offer criticism of any part of the profession, but as a senior I would like to make some criticism of the curriculum here at Rose. Let me first say that after talking with engineering students from many other schools, I still believe Rose is hard to beat.

Even though the curriculum has recently been revised and studied extensively, the fact remains that there is little chance for an engineering student to sway from his departmental "beaten path". The philosophy seems to be "But it has been done this way for years", or "Just the other day, old John Smith, class of 02, was telling me how much good this course has done him". And so by carrying a normal school load, a Rose man may take only about ten credit hours (total credits required for graduation is 144) of work that have not been chosen for him.

Required courses are certainly necessary in at least the first two years when the basic sciences and fundamentals are supposedly grasped. And even after that, certain courses that are basic and fundamental in engineering should be required. But why specialize to any extent while in school?

The field of engineering is certainly expanding and the title of engineering may mean many things. The engineer who knows how to build things, how to make things work, - the "hardware" engineer is very much a part of the profession. Rose gives an engineer of this type a very good education.

But it seems to me that there is a new type of engineer, - the man interested more in new ideas and research, - more theoretical than practical. A man of this type needs a very broad background. At Rose he cannot get this background in four years and still graduate with the required courses.

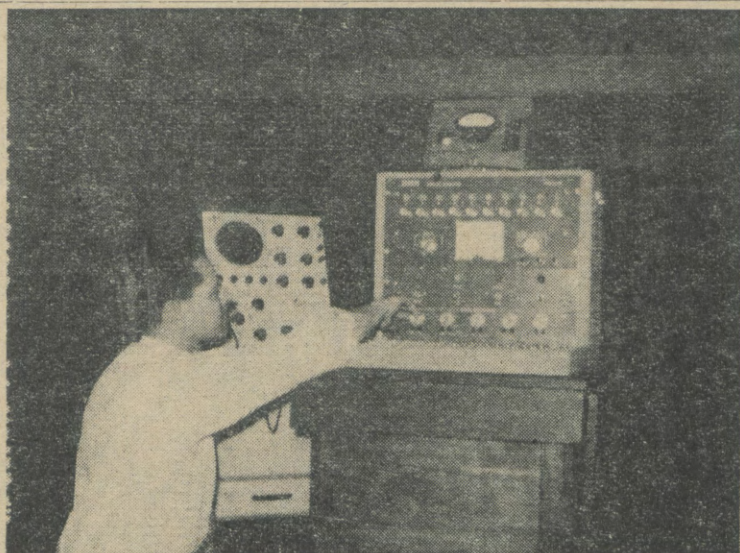
I know that Rose is not consciously trying to hold down ideas and thinking, but it is doing just that, simply by requiring enough time to be spent on problems and basic requirements that there is time for little else.

As an example, the required number of hours for senior electrical engineering students is 14 credit hours of 22 actual hours in class or lab. Two good electives give 20 credit hours, or a little more than average load. But yet at least one course requiring six class and lab hours per week is strictly a specialized course. Another three hour laboratory for 27 men is held in a lab that can scarcely hold that many men, much less give a good chance for everyone to learn something. A one hour course is taught from a company handbook. While it is true that all of these courses have some value to everyone, couldn't a man who knew he was going into research or on to graduate school use these ten hours per week much more profitably? I'm sure other departments have this same situation.

Rose has a good course for one type of engineering and it should be kept. But some provision should be made for the other types of engineering in this ever-growing profession. Rose should not mold men into engineers; it should give men the opportunity to mold themselves.

G W P

(Continued on Page 2)



Shown with Dr. Darrell Criss is Rose's analog computer, one of the many facilities of the Institute that visitors will see on E-day.

E-Day -- 1959

By Warren Griffith

On November 7, tomorrow, Rose will hold its annual Engineers' Day. Students, teachers, and parents from high schools and cities in the Terre Haute area will converge on Rose to see the educational aspects of engineering.

Bart Gronberg, who is the general chairman for this year's Engineers Day, said a crowd of 450-500 people is expected to arrive at Rose Saturday morning to see the displays. All the departments at Rose are setting up demonstrations and exhibits to show how engineering is put to use in today's world. These displays will be located throughout the main building, and guides will escort our visitors to the various departments so they may view them.

There will also be a program in the auditorium, at which time Dr. Morgen will speak on how the engineer influences our economy and also how engineering has developed as a career. After the program the tours will again resume, and continue until noon. At this time a lunch for our guests will be served at the cafeteria and student center.

Engineers Day is sponsored by Rose's Student Council, but it is truly a day at which all of us here at Rose show off our school to the public. Bart and Charley Smith, who is the student council representative coordinating "E Day", both urge that all the students and faculty get behind this effort and make this year's Engineers' Day the best we've ever had!

Jim Phillips, president of the senior class and coordinator of the Electrical Engineering Department exhibits, feels that "E Day" will give the seniors of Rose a chance to practice some of their theoretical knowledge when setting up displays.

Jim said his department is planning to show our visitors many interesting and colorful displays. There will be a fire control radar unit which will light neon lights throughout the EE lab to represent a sprinkler system; a non-magnetic magnetic which functions by using the principle of eddy currents; and probably the most amazing display will be a "levitator" which will suspend a

New Reactor

A new nuclear reactor that may make atomic power competitive with conventionally generated electricity will be built by the Martin Company under an \$838,163 AEC contract. The reactor system uses pea-sized pellets of atomic fuel, thereby eliminates the need for complex control rods used in present reactors, and makes it easier to recover valuable fissionable material from the reactor.

plate in mid-air, and then fry an egg on it.

The Mechanical Departments displays will be set up by the American Society of Mechanical Engineers. Terry Halcom and Chuck Overby, president and vice-president of the A.S.M.E., said that their display will include a General Electric turbine; a Studebaker engine connected to a dynamometer; a Westinghouse demonstration board; and finally the famous Rose "dehumidifier". This last exhibit shows how the engineering genius of Rose engineers has created a dehumidifier which can extract the water from the air in a liquid stream!

The American Institute of Chemical Engineers is in charge of the chemical engineers display for Engineers Day. Noble Huff and Bruce McDowell have organized an interesting and educational set of displays showing the various equipment used in chemical engineering operations. The most interesting of these will be the popping of pop corn in a drying apparatus, and a colorful display showing the effect of ultraviolet light on many different substances.

The Civil Engineering Department will have an interesting set of displays which is being coordinated by Dan LaGatta. There will be concrete specimens; a hydraulic "jump" in the fluids lab; the perennial magical chair that will determine our visitors' weights; and a compression experiment where we'll see just how strong those coke bottles are.

Idea Men - 1. In Buffalo, N. Y., Michael P. Gorman, who was bothered, along with other mail handlers, by exhaust fumes from post-office delivery trucks at a loading platform, won a certificate of merit and \$12.50 for his suggested solution: turn off the motors.

-2. In Great Falls, Mont., after a month-long contest to name a new club for employees of the Great Northern Railway, the prize went to the suggestion of club president Lloyd J. Warnke: "The Great Northern Railway Employees Club".

Near Port Huron, Michigan, a farmer intending to scare off pumpkin thieves, erected in his pumpkin patch a sign reading, "Beware! There is one poison pumpkin in this patch," returned to the field to find a new legend, "Now there are two."

When the German submarine U-505 was boarded northeast of the Cape Verde Islands on June 4, 1944, it was the first time since 1815 that the U.S. Navy had taken an enemy warship on the high seas.

ROSE'S FUTURE

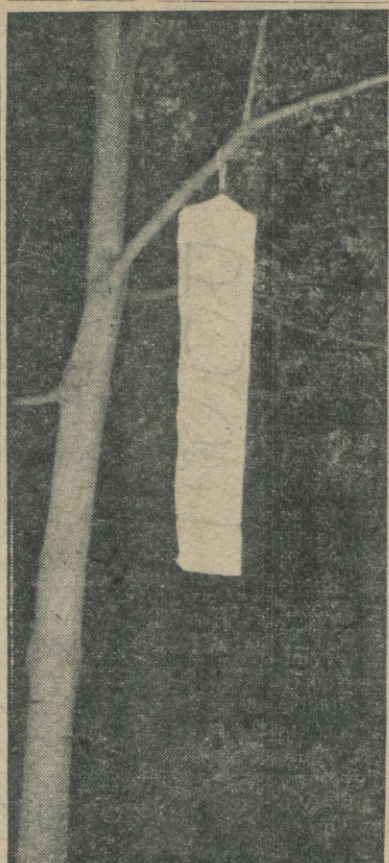
Reported by Al Johnson

In his recent report to the Board of Managers the president of Rose, Dr. Ralph Morgen, has outlined the picture for the future of the Institute in this manner.

It will be necessary in protecting our investment in the future of engineering that we decrease the number of students that leave the Institute during their four year course of study. With the national increase in emphasis on science and greater number of students applying for entrance, we should be able to select a class better equipped than ever before for completing this school course in engineering. By careful counseling, better testing programs, and an adjustment in curriculum, we will be able to graduate a greater number of engineering students than has previously been possible.

Our present plant and staff with only minor increases and adjustments, could accommodate an enrollment of 600 students. With this as a maximum enrollment he would like to see a distribution on the order of 175 freshmen, 155 sophomores, 140 juniors and a graduating senior class of 130.

As a small school we can serve as a pilot plant for engineering education where larger and more ponderous institutions lack the flexibility to serve in such a capacity. In this new capacity, the curriculum will see a greater change in the coming decade than in the one just past. It will place more emphasis on the basic sciences, the engineering sciences and the humanities.



Rose Freshmen Strike Again!!! Banner hangs over Franklin.

Franklin Too!!

Late one night some travel-loving Rose students set off for Franklin with a Rose Flag. Half the night these adventurers traveled to this distant campus, but when they arrived there, they were unable to locate Franklin's flagpole. However, these engineers weren't stopped by such minor matters—they hung the flag from a tree. This wasn't as effective as a flagpole but it served the purpose, at least it riled their football team too much.

When it is opened in December, the 21-story "House of Electricity", will be the tallest building in West Berlin.

This change in curriculum will be effected in the junior and senior years. Those students interested in advanced degrees, will during their last two years be given more basic science and at least one special project to teach the research method. Those students who terminate their education with the Bachelor's degree would receive more of analysis, synthesis and design courses. With this type program it is anticipated that there would be from five to ten students enrolled in the graduate level in each of the degree offering departments. It is also anticipated that graduate level courses can be offered for interested local industrial personnel through closer cooperation with local industry.

Rose will continue to encourage and assist the faculty members to acquire advanced degrees, to engage in professional activities and research projects.

"Research is essential if graduate work is to be conducted". The staff is now working on the development of a research policy and correlated patent policy for students and staff alike. This will make possible a research program conducted and supported jointly by the institutions and interested researchers. Funds of \$100,000 or more can be made available if the appropriate research ideas are cultivated.

Presently there are two areas which deserve consideration. One in the development of a computer center. The second is studies in the sub-atomic field. "... it is believed feasible to obtain a sub-critical reactor and the necessary isotopes for experimental purpose".

The next five years should see the following building program under consideration, a new building separate from our present site for class and business use. This would make the space vacated in the main building available for additional research space and greatly increase the efficiency of the teaching and business facilities. The student center should be expanded. This would be done to achieve more recreational space and additional office space for school organizations. A new wholly or partly self-liquidating dormitory accommodating at least 100 or preferably 200 students, should be built. The question of moving the fraternities to the campus should be reopened. This would involve a large financial expenditure and can become a reality only if some practicable way is discovered. Twenty five or thirty schools throughout the United States have helped fraternities in similar circumstances. This is an important concern of Rose for as a small institution, we lose one of our greatest assets, that is our strength in togetherness, when we have students living off the campus.

On concluding his report D. Morgen had this to say "... it is believed that the aims can be accomplished if all who are interested in Rose, including the students, the staff, the alumni and Board of Managers will work as a unit to bring them about."

In a Seattle apartment house 20 of the 27 tenants own hi-fi or stereo sets. The rental agent, hearing complaints about the late music, sent a stern message: "No hi-fi music after 10:30 p.m."

The furious hi-fiers banded together. Each bought the same record and at exactly 10:30 the next night 20 sets, turned on full blast, played "Taps".

—Emmett Watson in Seattle Post-Intelligencer

Coming Events

SCHEDULE OF COMING EVENTS

Compiled by Ron Ireland

November 7: Engineer's Day Football; Rose at Principia
November 12: Organizational meeting of Chemistry Club, 10:45 A. M.
November 11: Physics Seminar, 2:15 P. M. Film in Military Basement
November 12: Convocation — Frans Reynders
November 13: Freshmen Get Acquainted Parties
November 14: VMI Dance, Alpha Tau Omega and Sigma Nu
November 18: Physics Seminar, 2:15 P. M. Film in Military Basement
prepared by Ron Ireland

Physics Seminars

By Larry Logue

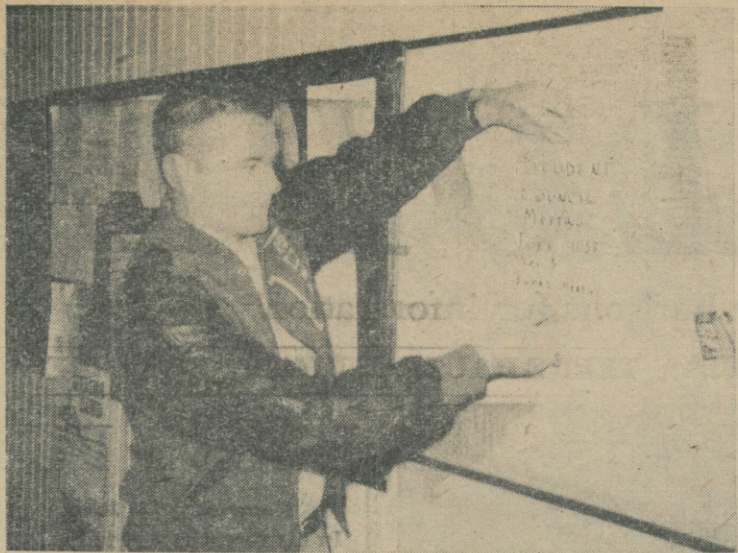
At the beginning of this school year the physics department introduced something new to the Rose campus. Every Wednesday afternoon the department has sponsored a lecture concerning some of the members of our faculty. Topics of discussion have included research conducted by some of the members of our faculty and phases of physics such as nuclear reactors. The talks are aimed at introducing a general knowledge of the subject and the work that is being done in any particular field, without delving too deeply into the technical aspects of any specialized subject.

Because of this emphasis, these talks are of interest to almost any student of the sciences whether his special interest is in physics or not. The schedule of speakers for this semester includes instructors from four different departments, giving a good indication of the variety which can be expected from this series of lectures. The general format of the lectures has been quite informal. The prepared lectures are followed, and often interrupted, by questions and discussion from the audience. This allows the listener to clear up his own questions on the topic and for a variety of views to be presented. Even after the meeting has formally ended, the speakers are often cornered for further discussion of particular points.

Although these lectures are sponsored by the Physics department, it should be emphasized that they are open to any member of the student body or faculty who wishes to attend. The remaining eight lectures for this semester promise to cover a wide range of subjects of interest to engineer and scientist alike.

The schedule of speakers for the remainder of the semester is as follows:

Nov. 11 Dr. S. V. Galginitis
Nov. 18 Dr. R. H. F. Pao
Dec. 2 Prof. C. L. Mason
Dec. 9 Prof. A. R. Schmidt
Dec. 16 Prof. B. Benjaminov
Jan. 6 Mr. L. J. Logue
Jan. 13 Dr. O. M. Knudsen
Jan. 20 Prof. J. C. Hegarty



Meeting notice is posted by Terry Hallcom, President of the Student Council.

B. M. O. C.

By Tom Bedwell

A big man on campus? He certainly is!

The big man you are about to meet is Terry Hallcom from Zionsville, Indiana.

As a student, Terry is ranked in the top half of his class. He was recently tapped by Blue Key and is a member of R-Men's Association.

At the present time, he is active in numerous organizations on campus. He holds various offices including President of the Student Council, Secretary of the Math Club, President of the Student Chapter of the American Society of Mechanical Engineers, and Ad-

vertising Manager of the EXPLORER.

Terry is a member of Lambda Chi Alpha and was social chairman during both his sophomore and junior years. He is also a fine athlete with three letters in football.

What does he do in his spare time? To answer that, we need only say that Terry was married to the former Miss Carolyn Lyons on September 5, 1959. We've yet to see him with a frown on his face since so give a "Hi" to that "really big" smiling guy on campus, Terry Hallcom.

Blue Key—Service To School

By Mike Gilpatrick

This article is intended to acquaint the students of Rose with the Blue Key Honorary Fraternity, a very worthwhile and outstanding organization at Rose.

Blue Key is a national honor fraternity, of which the Rose Tech chapter was established in 1932. Blue Key is characterized by participation in extra-curricular activities, and its principal function is service to the school. Throughout the year the Blue Key sponsors and participates in many worthwhile activities.

Probably the most outstanding thing that Blue Key does is to sponsor the Homecoming Dance and the Saint Pat's Dance, both of which are considered the big events of the school year.

Two of the Blue Key accomplishments this year so far include putting out the school calendar and sponsoring the pep rallies. Other worthwhile activities which are undertaken annually include ushering on Parent's Day and

serving as guides on Engineer's Day. The Blue Key also plans to usher at the forthcoming inauguration.

The Blue Key at Rose has nine active members at the present time, and ten pledges, who were tapped at the recent honors convocation.

To be eligible for membership, one must be a Junior or Senior, have a cumulative index of at least 2.6, and exhibit traits of personality, character, and leadership. Those selected for membership are (as said before) tapped at the fall or spring honors convocation. Tapping, incidentally, is a gentle slap on the nominee's shoulder, which is ceremoniously administered by active member.

The present officers of Blue Key are: President, Bob Shukai; Vice-President, Elwood Stroupe; Secretary - Treasurer, Gary Phipps; Corresponding Secretary, Gary Anderson; and Alumni Secretary, Louis Roehm.

Tau Beta Pi Initiates Alumnus

On October 25, Indiana Beta Chapter of Tau Beta Pi initiated Mr. William A. Harris of South Orange, New Jersey. Mr. Harris is with the Radio Corporation of America Tube Division. He graduated from Rose in 1927 "With Honors" and was a member of "En", a local honorary at Rose which preceded the founding of the local chapter of Tau Beta Pi in 1928.

The officers and members are extremely happy to have Mr. Harris with us and are sure he will continue to uphold the ideals of Tau Beta Pi in his professional work.

Earlier this month, Gary Phipps, President of Indiana Beta, attended the National Tau Beta Pi Convention at Purdue. Mr. Phipps reports that the convention was very interesting and enlightening. Among the convention speakers were some of the top professional engineers and engineering educators in the nation.

Particularly interesting was a discussion led by Dean H. L. Hazen, '24, of M.I.T., chairman of the Committee on the Development of Engineering Faculties of the American Society for Engineering Education.

The Chinese learned how to make silk cloth 4,000 years ago.

LOST WEEKEND

By Tom Feute

Congratulations Fresh men. It fell in. (The outhouse, that is!) No more garters!

Homecoming, 1959, was a great success for not only the Freshmen, but also for everyone else. No one's spirits seemed to be dampened by the rain — just diluted.

In spite of the elimination of moving parts, the fraternities once again showed imagination and ingenuity in their displays. However, don't be surprised if you see some of the "Greeks" on a Dristan binge. Congratulations go to Alpha Tau Omega, which won the I.F.C. traveling trophy for the best display.

Following the judging of the displays, everyone traveled to the campus for the burning of the bonfire and a pep rally in the fieldhouse. At the rally, the football team was introduced and some rousing cheers were led by Ted Jaenke.

The fraternity parties started promptly after the conclusion of the festivities on the campus and brought an end to the activities for Friday night.

Saturday came and so did that infamous football game. (Let's forget it!) After the game, the alumni held their annual open house for the seniors and faculty in the Wabash Room of the Terre Haute House.

The Alumni Banquet was served at 6:30 at which several interesting after-dinner speakers entertained the faculty, alumni, and seniors. Mr. R. F. Burns, '15, presented to Rose a pair of tusks taken from a seventy-five year old elephant which he shot in Africa while on a safari. An unexpected speaker was Dr. C. P. Scusley, retired head of the Mathematics department, who gave an impromptu talk that will never be forgotten by those attending.

During the Alumni Banquet, the faculty wives held a dinner for the mothers, wives, and dates at the Student Union Building at Indiana State Teachers College.

The Stan Marion Orchestra provided the music for the Homecoming Dance that was held in the Mayflower Room of the Terre Haute House.

Everyone hated to see it come, but the dance brought an end to a most terrific weekend — one that is not likely to be forgotten for a long time.

Tom Feute

HOW MUCH?

Have you ever stopped while reading this newspaper to think how much it costs the Explorer to publish a newspaper every two weeks? The cost of publishing each issue of the Explorer is almost fifteen cents per student.

The Explorer is offered to you free of charge as a result of advertising. The advertising which appears in this issue was sold on a trial basis. We sold the advertising to the merchants for two issues of the newspaper. If they are dissatisfied with the results after their ad appears in two issues, they can cancel it.

If you will put out a little extra effort to patronize our advertisers, you will enable us to continue furnishing you with this quality of school newspaper free of charge.

You should consider the fact that the merchants who are helping us finance our school newspaper have displayed a little extra effort to obtain your business. Therefore, you will receive better service from them than you would from a merchant who seems to think your business is not worth fifteen cents.

If you will thank each of the advertisers when you are doing business with them for helping to provide you with a school newspaper, we will keep supplying you with the paper free of charge.

The Explorer staff welcomes any comment you may have. Address your comments to the ROSE TECH EXPLORER and drop them in the school mail box.

Bill Brummett,
Business Manager

Man discussing vacation with friends: "We stayed home this year. We took a pay-later vacation last year!"

—Henry Boltinoff in The Christian Science Monitor

Editor's Corner

(Continued From Page 1)

Not being too socially suave myself, it takes quite a display of bad manners to gain my attention. However, some of the actions of the "fans" at the football games have made me almost ashamed to admit I'm a Rose man.

When I see men that I go to class with out on the field doing their best (and when you're losing, it's tough to do) I don't think it's my place to ridicule or jeer them. We all complain about not having enough time to get our work and yet these men take two to three hours out of each day to practice.

I think the team deserves all of our support, win or lose, just for being willing to sacrifice some of their time for Rose and for us. Perhaps some of the hotshots in the stands should get off their rear ends and play themselves. From their comments and criticisms during the games, they sound darn mean.

Another thing - if you've got a date with someone cool and you're wanting to make a fairly good impression on her, don't take her to football games. If she's a fairly decent girl, she may learn a few new terms mother hasn't told her yet.

When Rose is on display anywhere, it's to all of our advantages to give the best impression of Rose men that's possible. Believe it or not, this isn't done by poor sportsmanship, bad manners, and bad language.

A thought in passing - Just wondering how Mr. E. M. Griffith, Class of '23, felt at the Homecoming game. After leading cheers for many years at Homecoming games and doing the best job of it that I've seen at this school, it must have been a little frustrating to Griff to see Rose Men being led in their cheers by girls from the Woods. How times change!

G. W. P.

A reminder A "Letters - to the Editor" column is available for anyone with anything to say. So if you've got any complaints or criticisms, send them in. If we know who they're from we don't have to print your name if you don't want us to. We'll even accept letters from happy people. Write today. See yourself in print.

Letter To The Editor

TO WHOM IT MAY CONCERN: Having just recovered from a wet, in many ways, Rose Homecoming, our memory recalls the weird sounds emitted from the Mayflower Room during the annual Homecoming Dance — those of the Stan Marion Orchestra.

Since Homecoming is the most festive social occasion of our school year for the students, as well as the alumni and faculty, it puzzles us why it should be marred by such a sick group of musicians.

We realize that the size of the student body of Rose financially prohibits the booking of an established name band; however, it doesn't prohibit a band of some quality necessary for an enjoyable evening of dancing. As you may have noticed, the trumpet player quite frequently attempted notes far beyond his qualifications. This was usually followed by an abrupt ending of that number in search of something in the Welk, Lombardo tempo which could more easily be followed. All in all, it was a showing poor enough to lead the masses to drink.

How 'bout it? Don't the students at Rose deserve bands better than they had at their high school dances? We think they do!

Bill Young
Tom Feute

When a college student fresh out of the Army arrived late for his early-morning class, the professor chided him. "Well, you finally made it," he said. "What did they say to you in the Army when you came in late like this?"

"Why," the student replied, "when I came in late they said, 'How are you this morning, sir?' and saluted."

—T. M. Watson (Kansas City, Mo.)

THE ROSE TECH EXPLORER

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FIRST EDITION

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Job Interviews

By Robert Carter

Some important questions concerning job interviews were answered at a placement meeting last Tuesday in the auditorium by a panel presided by Mr. G. C. Zader, Director of Admissions and Placement. Those on the panel were: Mr. J. V. Overman, employment manager of Indiana Bell Telephone Co.; Prof. Blake, Acting Head of the Chemical Engineering Dept.; Dean Moench, Dean of Engineering; Prof. MacLean, Head of the Civil Engineering Dept.; and Prof. Hooper, Head of the Mechanical Engineering Dept. The object of the meeting was to inform the students of the procedure of arranging an interview through the Placement Office and to answer some questions concerning job interviews.

HOW TO ARRANGE AN INTERVIEW

There is a list of all the companies coming to Rose and the dates they will be here on the placement bulletin board, a copy of which can be obtained from the Placement Office and is also printed in this copy of the EXPLORER. Select from this the companies with which you would like an interview and go to the Placement Office where you will obtain information about the company and the name of the interviewer. Here you may choose a convenient time for your interview (seniors' preferences are placed before those of underclassmen). Commitments should be made at least one week in advance. Mr. Zader requested that seniors fill out ten personnel data sheets to be kept in the office.

CANCELLING AN INTERVIEW

It was suggested that students who wish to cancel an interview do so as soon as they decide and let the Placement Office know of such a decision.

PLACEMENT PICTURE

Although the number of companies coming to Rose are about a third less than the number last year, opportunities for engineers will increase in the next year, and salaries will increase by 4 to 5 per cent, with the average salary being about \$500.00 a month.

HOW MANY INTERVIEWS SHOULD A SENIOR HAVE?

Prof. Blake suggested that seniors look over the information about the companies and then decide on the companies that offer what they want, limiting the number of interviews to six or seven. Dean Moench advised, "Don't wait too long; start early, to get

practice if nothing else." He also advised to learn as much about the company as you can, before the interview!

WHERE CAN YOU GET INFORMATION ABOUT A COMPANY?

Either in the Placement Office or in the library you can obtain magazines or pamphlets for this purpose. The "College Placement Annual" is such a magazine, containing information on how to prepare for an interview and how to decide what kind of work you want to do, and listing nearly all the companies in the United States, telling a short history of the company and telling where, who, and for what kind of jobs they recruit.

THE INTERVIEW

Prof. MacLean stated, "You are selling yourself".

To this Mr. Overman added, "Be yourself; you can improve, but be yourself". He also stated that besides statistical information, "the interviewer wants to know what kind of person you are; what makes you tick".

Dean Moench advised, "Don't strike a pose with your interviewer". He also suggested that you know the "statistics" about yourself (point index for instance).

IMPORTANT QUESTIONS ABOUT JOB INTERVIEWS ANSWERED

Mr. Zader suggested that you have an idea of what you want to do and where you want to go to let the interviewer know that you've at least been thinking about your future.

ADVANCED OR GRADUATE SCHOOL

Prof. Blake said that if you have any ideas about advanced schooling, to do it before you get a job.

Agreeing with Prof. Blake somewhat, Prof. MacLean thought that if you are sure of going to graduate school sometime, it would be best to work two or three years to gain experience and insight and then go ahead. However, he thought that if your aim would be deterred, it would be best to go before you get a job, as Prof. Blake suggested.

In closing, Dean Moench pointed out that "You are a host to an interviewer; be a considerate one be proud of Rose, and be prompt"; Mr. Zader invited all the students to cooperate with the Placement Office so that "we can do the most for you".

Matronly woman's-club treasurer addressing fellow members: "Before I give my treasurer's report, I want to make it clear that the exact figures I use are only approximations."

—Wally Carlson, Chicago Tribune-New York News Syndicate



Professor Benjamin Benjaminov—new addition to the Chemistry Department faculty.

"Ben Squared"

By Jim Montgomery

For the past year Professor Knudsen, and Asst. Professor Guthrie, have been interviewing men for the position of Professor of Organic Chemistry. During this time Commercial Solvents Corporation, Terre Haute, have generously given one of their research chemists, Dr. A.W. Campbell, enough time off each week so that he could teach organic chemistry.

This fall Mr. Benjamin S. Benjaminov came to our campus as a full time Professor of organic chemistry, and organic analysis. He attended the British Institute in Israel as an external student of Cambridge and London Universities. Mr. Benjaminov has been in the U. S. since 1948, at which time he came to further his education. He received his B. S. degree in chemistry at the University of Kansas, and did graduate work at the University of Massachusetts. Later he completed his M.S.

degree at Allegheny College under a New York research grant.

Chemistry is not the only field in which Mr. Benjaminov is skilled, he also is well versed in several languages which include: English, French, German, Spanish, Russian, Bulgarian, and Hebrew.

Mr. Benjaminov has had a broad background in that he has taught all of the undergraduate courses in college chemistry.

Of special interest to him is the establishing of a chemistry club. He hopes that it will stimulate students to take initiative in presenting chemical problems, and will cement a tie with the American Chemical Society for students in advanced chemistry. Provision will also be made to help students that are deficient in their pursuit of basic chemistry. Within the next two weeks the club should be functioning so drop by and see what's new in chemistry.

More Departmental Briefs

The A.S.C.E. has tentatively planned a panel discussion with five visiting engineers. The discussion will concern professional practices and is scheduled for December 3, 1959.

The Mechanical Department has generously given up its offices by the Machine Design room — the space will be used for Job Placement interviews.

At the November 4th Physics Seminar, Stan Carpenter spoke on the "Philosophical Implications of the Heisenberg Uncertainty Principle". On November 11th Dr. Galinaitis discussed "Modern Theories of Magnetism".

Father to daughter's suitor munching chicken leg: "What other kind of work do you do besides cleaning out refrigerators?" —Taber in The Saturday Evening Post

The first subway was built in London about 100 years ago.

TOWN TOPICS

By Don Bonnes

St. Mary's Junior Prom
Highlight of the social calendar at St. Mary of the Woods College is the annual Junior Prom. This gala affair includes an entire week-end of activities — the week-end of November 14, 15, and 16. Presiding over the festivities is the lovely Junior Prom Queen Miss Joyce Pequignot. Starting on Friday the 15th, from 7:30 to 11:00 an informal dance will be held at the Phoenix Country Club, after which coffee and donuts will be served. On Saturday, the girls and their dates will participate in several small group picnics in the afternoon, and then in the evening they will attend "the main event", a formal dance held at the campus ball room from 8:45 to 12:00. Capping off this busy week-end is the banquet to be held at the Mayflower Room of the Terre Haute House at 11:00 Sunday morning.

Marine Band Concert
United States Marine Band concerts sponsored by the Tri Kappa Sorority will be presented at the Student Union Building of Indiana State on November 7, at 2:00 p.m. and at 8:15 p.m. Lt. Col. Albert Schoepper, director of the band, has planned a program which includes several popular marches, including John Philip Sousa's "Stars and Stripes Forever", "Rogers and Hammerstein Medley", "Cole Porter Medley", solos by the outstanding baritone Marine William Jones, and many other varied selections.

Big Book Sale
Again the American Association of University Women will hold their annual book sale, the proceeds of which go toward money grants to worthy college women. The sale is to be held in the mezzanine of the Terre Haute House on November 17, 18, and 19 — 8:30 a.m. to 8:30 p.m. on the 17th and 18th and from 8:30 a.m. to 5:30 p.m. on the 19th. The books on sale include everything from cooking to science. One would be surprised at the quality of the books that can be "picked up" at prices which are much more than reasonable.

Macbeth to be presented
The Talented Sycamore Players, a group of I.S.T.C. drama students will present the great Shakespearean tragedy "Macbeth" at the Student Union Building on November 18 through 21. These performances will start at 8:00 on each of these evenings.

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SPORTS PAGE

ILLINOIS COLLEGE TOPS ROSE 33 - 21

By Bob Checkley

October 31, Jacksonville, Illinois —Rose Poly's Engineers played their best game of the year today against the Blue Boys from Illinois College, but lost 33 to 21, as I. C. scored twice in the last four minutes of play.

Rose took the opening kick-off and started to move, but the drive was halted when a Rose fumble was recovered by I. C. The Blue Boys took the lead several plays later on an off-tackle play which covered 45 yards. The conversion was no good. Later in the period they broke away again, the kick was good, and Illinois College led at the end of the first quarter 13 to 0.

Rose picked up their first points of the game early in the second quarter when a bad pass from center went over the I. C. punter's head and out of the end zone, giving the Engineers two points. Rose continued to move the ball and late in the period they scored on a 55 yard screen pass and run from Bill Yochum to quarterback Bob Michael. The try for point was blocked, and the score at half time was 13 to 8 in favor of I. C.

The Engineers kicked to Illinois College to start the second half, but Rose's revamped and reinforced defense soon forced the Blue Boys to punt. After an exchange of punts, midway in the third quarter, the Engineers again scored on a pass, this time from Bill Yochum to halfback Bob Checkley on a play covering 35 yards. The kick was again blocked, but Rose had taken the lead 14 to 13. This advantage was

short lived though because very late in the period I. C. again, missed the conversion, and retook the lead 20 to 14.

On the first play of the fourth quarter fullback, Gary Anderson capped a Rose Poly drive by bulging his way into the endzone from 5 yards out. This time Bill Yochum ran for the point and made it, putting the Engineers ahead 21 to 20.

This was still the score with only 5 minutes to play. Rose had the ball on their own 45 yard line, but every time they came up to the line of scrimmage red flags began to fly, a total of 7 in 7 plays. The Engineers were forced to punt, and in so doing they got their one big break of the game. The I. C. deep back fumbled the kick, and Rose recovered. They made one first down, but missed a second by inches. Illinois College took over and two plays later a fleet footed Blue Boy raced 82 yards to put them into the lead again. The conversion was good and the score was 27 to 21 with Rose on the short end. I. C. scored again on the last play of the game on an 80 yard run back of an intercepted pass. The conversion was good and the game ended with I. C. on top 34 to 21.

A great deal of credit must be given to the Rose defensive forward wall of Scott, Kostra, Pike, Gilbert, Hormuth, and Stroupe, who played their best game of the year. Offensively Gary Anderson and Joe Andel, a sophomore newcomer to the Engineers' starting eleven, were standouts for Rose.

Little is known about the Principia team since Rose hasn't been able to scout them, but it is assumed that they will be playing much the same style of ball that they have played in the past. They're always a worthy opponent and this could be another tough one for the Engineers.

Lots of luck to the team. Let's get that last one.

Final Game

November 6 — Tomorrow the Engineers travel across Illinois to the banks of the Mississippi to play Principia College at Elash, Illinois, in the Engineers' final game of the season.

Campus Conference

By Bill Volkens

IM Football season is nearing a close with the top contenders being BSB II and the Junior Jems. As of "The Explorer's" deadline, these teams have not met, but they are expected to have played by the time the paper is distributed Friday at noon. This game is obviously the championship game; that is, the winner will be the final first place team if all goes as expected.

It's getting to be "B" ball time in the campus conference. The exact starting date for the first basketball game is not known at the moment, but the roster for the teams from each class will soon be posted on the IM bulletin board. It might be a good idea to line up your teams now and sign up as a team. There are enough boys to have many teams and we are certainly looking forward to a basketball season that will surpass even the football program in competition and class spirit. Also, be on the lookout for the volleyball and bowling rosters.

The IM football standings as of November 2 are as follows:

	Won	Lost
1. Juniors	5	0
2. BSB II	6	0
3. Soph's	3	2
4. Deming	3	3
5. BSBC	1	5
6. Ind. Frosh	1	5

Robert Fulton built a submarine which he called the Nautilus.

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Dick Landenberger back to pass.

Inter Fraternity Football

The games on the weekend of Oct. 25th were cancelled due to the homecoming festivities. The games originally scheduled for that weekend were moved to November 1.

Alpha Tau Omega was scheduled to meet Lambda Chi Alpha, but forfeited. Therefore the game was won by Lambda Chi 1-0 and placed them in a possible tie with Theta Xi, depending upon the outcome of TX's game.

Theta Xi met Sigma Nu in an attempt to knock Sigma Nu from the undefeated ranks, but failed. Sigma Nu won their fifth straight game 20-0 under the direction of quarterback Dick Landenberger.

Sigma Nu won the toss and elected to receive. After taking the opening kickoff, Sigma Nu marched down field to score. A pass from Landenberger to flanker Jim Kvasnica was good for the TD after Kvasnica made a beautiful catch with TX defender Larry Cunningham all over him. The point after failed and Sigma Nu led 6-0. Theta Xi took the kick-off and marched up field to what seemed to be the equalizer, but after reaching the Sigma Nu twenty, the TX offense bogged down and they lost the ball on downs.

In the second quarter neither team scored but both threatened. TX threatened early at the start of the second quarter with an intercepted pass on the Sigma Nu fifteen yard line, but couldn't seem to get going as they lost the ball on downs. Late in the second quarter Sigma Nu started a sustained drive, but time ran out with Sigma Nu on the TX ten yard line. A pass from Landenberger to Smith was good, but an offside penalty nullified the play. The first half ended with Sigma

Nu leading 6-0.

After Theta Xi took the kick off to start the second half, both teams played equal football till the last minutes of the third quarter. Then Sigma Nu started another drive under the direction of Landenberger. A couple of passes to end Mike Smith caught the TX defense napping and put the ball on the twenty.

Starting the fourth period with the ball well into TX territory, Sigma Nu scored on another Landenberger, Smith combination, making the score 12-0. A pass from Landenberger to Harvey Burkett was good for the point after and Sigma Nu led 13-0. Theta Xi made one last effort in the fourth quarter, but again lost the ball due to interceptions and incomplete passes deep in Sigma Nu territory. In the closing minutes the ball changed hands several times in Theta Xi territory. With less than two minutes remaining Landenberger hit Kvasnica in the flat and Kvasnica in turn hit Burkett in the end zone for the TD. The point after was good and Sigma Nu led 20-0. The ball changed hands again, but neither team made any impressive moves. The game ended 20-0; Sigma Nu winning, and this win insured them of first place in the interfraternity league and of the trophy.

The TX pass defense looked bad and against Sigma Nu this was the main point. The passing of Dick Landenberger to Mike Smith and Jim Kvasnica was again sharp this week. With this loss Theta Xi and Lambda Chi Alpha are tied for second place. Next week these two teams meet and it should be a good game since the winner will take over possession of second place.

The interfraternity standings as of this week are:

	W	L	T
Sigma Nu	5	0	0
Lamba Chi Alpha	2	2	1
Theta Xi	2	2	1
Alpha Tau Omega	0	5	0



Large	Medium
1.50—Sausage	1.00
1.50—Mushroom	1.00
1.50—Pepperoni	1.00
1.50—Peppers	1.00
1.50—Anchovy	1.00
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